

# **EXHIBIT 1**



Penicillium.citrinum	LTCFDGGSFLLGGTVLDRODFIDFGLELVDGCEATYNSTLTIGPDSWGDP-----KK	383
Aspergillus.saitoi	LTCFDGGSFLLGGTVLNRTDFINPGGLDLVSGCHDTYNSTLTGIGPESFSWDT-----SD	385
Mns1B	LTCFDGGSFLLGGTLLDRODFVDFGLDLVAGCHETYNSTLTGIGPQFSWDP-----NG	376
Trichoderma.reesei	LASFGGGNFILEGGILLNEQKYIDFGIKLASSYFGTYTQASGIGPEGFAWVDSVTGAGGS	387
Mns1C	LACFVGGMALAGKLFNSCTYLDTGRKLTDGCIVWYDNPSPICIMPEMFTVPACP-----SV	462
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Penicillium.citrinum	VPSDQKEFYEKAGFYISSGSYVLRPEVIESFYAHRTGKEIYRDWVNAFPVAINSTCRT	443
Aspergillus.saitoi	IPSSQQSLYEKAGFYITSAYILRPEVIESFYAWRTGQRTYRDWIWSAFSAVNDYCRT	445
Mns1B	VPDSQKELFERAGFYINSQYILRPEVIESFYAWRTGDCGTYLEWWNAFTNINKYCRT	436
Trichoderma.reesei	PPSSQSGFYSSAGFWVTAPYYILRPELIESLYYAYRVTGDSKWQDLAWEALSAEDACRA	447
Mns1C	ABCPWDTRGGIYTIVRDGHYFLRPEAMBSIFYMWRITGDEKYREAWRMFTAIEAVTKT	522
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Penicillium.citrinum	DSGFAAVSDVNKANGGS-KYDNQESFLFAEVVKYSYLAHSEDAAWQVKGGKNTPVYNTTE	502
Aspergillus.saitoi	SSGFSGLTDVNAANGGS-RYDNQESFLFAEVVKYSYMAFAEDAAWQVOPGSCNQFVFNTIE	504
Mns1B	ATGFAGILEVNAAANGGG-RILDNQESPMFAEVVKYSPLTFAPEDDWQVKGSNTIFVYNTIE	495
Trichoderma.reesei	GSAYSSINDVTQANGGG-ASDDMESFWFAEALKYAYLIFABEESDVOVQOATGGNKFVFNTIE	506
Mns1C	EFGNAAVRDVMVEEGNVKREDMSMESFWMAETLKYLVLIFG-----ETDLVSLDDWVFNTE	577
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Penicillium.citrinum	AHPISVARN-----511	
Aspergillus.saitoi	AHPVRVST-----513	
Mns1B	AHPFKVYTPQ-----505	
Trichoderma.reesei	AHPFESIRSSRRGGHLA 523	
Mns1C	AHPLRGAGS-----586	
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